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**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**  
Patent Application

Inventor(s): Pete Dahl, Byron Dickinson, Margie Levine and Paul Rodman  
 Serial No.: 09/714,722 Group Art Unit: 2811  
 Filed: 11/15/00 Examiner: Tran, Thien F.  
 Title: OPTIMIZATION OF ABUTTED-PIN HIERARCHICAL PHYSICAL DESIGN

Form 1449

**U.S. Patent Documents**

Examiner Initial	No.	Patent No.	Date	Patentee	Class	Sub-class	Filing Date
TI	A	5,757,658	05/26/98	Rodman, et al.	364	491	03/06/96
TI	B	5,309,370	05/03/94	Wong	364	490	12/13/90
	C						
	D						
	E						
	F						
	G						
	H						
	I						
	J						
	K						

**Foreign Patent or Published Foreign Patent Application**

Examiner Initial	No.	Document No.	Publication Date	Country or Patent Office	Class	Sub-class	Translation	
							Yes	No
TI	L	WO00/67163	11/09/00	WIPO	G06F	17/50		
	M							
	N							
	O							
	P							
	Q							

**Other Documents**

Examiner Initial	No.	Author, Title, Date, Place (e.g. Journal) of Publication
	R	
	S	
	T	
Examiner <i>Thien F. Tran</i>		Date Considered <i>05-16-2004</i>

Examiner: Initial citation considered. Draw line through citation if not in conformance and not considered.  
 Include copy of this form with next communication to applicant.